AMENDMENTS TO THE CLAIMS

1. (Original) A method of reproducing a code symbol on a substrate, said code symbol comprising a mark with a given location with respect to a reference point, said method comprising:

providing a printing device with data representing said code symbol, said printing device being configured to apply dots of marking material in a resolution grid on the substrate, said resolution grid being defined by the dot resolution of the printing device and comprising a two-dimensional array of dot-receiving cells; and

controlling, based on said data, the printing device to reproduce said code symbol by arranging the reference point of said code symbol inside one of said dot-receiving cells and by applying at least one dot of marking material on the substrate.

2. (Original) The method of claim 1, wherein the reference point is arranged essentially at the geometric center the dot-receiving cell.

3. (Original) The method of claim 1, further comprising applying said at least one dot at said given location with respect to the reference point.

4. (Currently amended) The method of ~~any preceding claim~~ claim 1, wherein said mark is displaced from said reference point parallel to a grid line of said resolution grid.

5. (Currently amended) The method of ~~any preceding claim~~ claim 1, wherein said given location is defined as a displacement of the geometric center of said mark with respect to the reference point.

6. (Currently amended) The method of ~~any preceding claim~~ claim 1, wherein the dot resolution is the rated full dot resolution of the printing device.

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7. (Currently amended) The method of ~~any preceding claim~~ claim 1, wherein the printing

device is a digital printer.

8. (Original) The method of claim 7, further comprising generating said data as a page-

describing code and controlling the digital printer to convert the page-describing code into a

printable image.

9. (Currently amended) The method of ~~any of claims 1-6~~ claim 1, wherein the printing

device is a print engine of a digital printer.

10. (Currently amended) The method of ~~any preceding claim~~ claim 1, further comprising

controlling the printing device to reproduce an additional code symbol on the substrate, the

spacing between the reference points of said at least one additional code symbol and said code

symbol being controlled to essentially match an integer number of said dot-receiving cells.

11. (Currently amended) The method of ~~any preceding claim~~ claim 1, which results in a

coding layer being reproduced on said substrate, said coding layer comprising a plurality of code

symbols, the reference point of each code symbol being arranged inside one of said dot-receiving

cells, said method further comprising:

providing further data representing a human-readable information layer to the printing

device; and

controlling, based on said data and said further data, the printing device to reproduce the

coding and information layers with a spatial match between a given feature in the information

layer and a given feature in the coding layer.

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12. (Original) An arrangement for reproducing a code symbol on a substrate, said code symbol comprising a mark with a given location with respect to a reference point, said arrangement comprising:

means for providing a printing device with data representing said code symbol, said printing device being configured to apply dots of marking material in a resolution grid on the substrate, said resolution grid being defined by the dot resolution of the printing device and comprising a two-dimensional array of dot-receiving cells; and

means for controlling, based on said data, the printing device to reproduce said code symbol by arranging the reference point of said code symbol inside one of said dot-receiving cells and by applying at least one dot of marking material on the substrate.

13. (Original) An apparatus for reproducing a set of code symbols on a substrate, each code symbol comprising a mark with a given location with respect to a reference point, said apparatus comprising:

a first input for obtaining at digital representation of said set of code symbols;

a second input for obtaining data relating to the dot resolution of a printing device, said dot resolution defining a two-dimensional array of dot-receiving cells with respect to the substrate; and

an instruction generator which generates printing instructions to control, based on the digital representation and the resolution data, the printing device to reproduce said set of code symbols by arranging the reference point of each code symbol inside one of said dot-receiving cells and by applying at least one dot of marking material on the substrate.

14. (Original) The apparatus of claim 13, wherein the printing device is a digital printer.

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15. (Original) The apparatus of claim 14, wherein said instruction generator generates said instructions as a page-describing code which is converted into a printable image by the printer.

16. (Original) The apparatus of claim 14, which is included in said printer.

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